

May 13

## PROJECT STATUS REPORT

## INSTRUCTIONS

ITEM 8 Entries will be taken from codes listed on the ~~PROJECT STATUS REPORT~~ page 3.

ITEM 20 Enter concise project progress information sufficiently complete so that reference to other reports will not be necessary. Changes in program scheduling should be fully explained. If additional space is required, a separate 8 x 10½ sheet will be used. Identify particular report and mark proper security classifications.

|  |                                     |                                      |
|--|-------------------------------------|--------------------------------------|
| 1. PROGRAM STRUCTURE<br>921A   | 2. PROJECT NR OR SYSTEM TEST OBJ NR | 3. TASK, ESP OR TEST NUMBER<br>62B01 |
| 4. AFFTC PROJECT DIRECTIVE NR<br>62-17                                   | 5. AROC PRIORITY<br>20F             | 6. REPORTING PERIOD<br>May 1963      |
| 7. TITLE AND OBJECTIVE<br>EXPERIMENTAL PERSONNEL PARACHUTE (MULTI-STAGE) |                                     |                                      |

To determine the opening reliability of a multi-stage parachute assembly to be used by parachutist from high altitudes.

| 8. SCHEDULE              | CURRENT FY 63                   |                         |                                |                        |                       |   |   |   |   |   |   |   | FY 64 |   |   |   |   |   |   |   |   |   |   |   | FY 65 QTRS |    |    |     | FY 66 QTRS |    |    |     |
|--------------------------|---------------------------------|-------------------------|--------------------------------|------------------------|-----------------------|---|---|---|---|---|---|---|-------|---|---|---|---|---|---|---|---|---|---|---|------------|----|----|-----|------------|----|----|-----|
|                          | J                               | A                       | S                              | O                      | N                     | D | J | F | M | A | M | J | J     | A | S | O | N | D | J | F | M | A | M | J | 1st        | 2d | 3d | 4th | 1st        | 2d | 3d | 4th |
| CURRENT SCHEDULE         |                                 |                         |                                |                        |                       |   |   |   |   |   |   |   |       |   |   |   |   |   |   |   |   |   |   |   |            |    |    |     |            |    |    |     |
| NEW SCHEDULE             |                                 |                         |                                |                        |                       |   |   |   |   |   |   |   |       |   |   |   |   |   |   |   |   |   |   |   |            |    |    |     |            |    |    |     |
| CHG CODE                 | J                               |                         |                                |                        |                       |   |   |   |   |   |   |   |       |   |   |   |   |   |   |   |   |   |   |   |            |    |    |     |            |    |    |     |
| 9. FIRST FLIGHT/TEST     | 10. LATEST FLIGHT/TEST          | 11. FINAL FLIGHT/TEST   | 12. TOTAL FLIGHT HRS REQ       | 13. ACFT SERIAL NR     |                       |   |   |   |   |   |   |   |       |   |   |   |   |   |   |   |   |   |   |   |            |    |    |     |            |    |    |     |
| 14. % PLANNING COMPLETED | 15. % INSTRUMENTATION COMPLETED | 16. % TESTING COMPLETED | 17. % DATA REDUCTION COMPLETED | 18. % REPORT COMPLETED | 19. % TOTAL COMPLETED |   |   |   |   |   |   |   |       |   |   |   |   |   |   |   |   |   |   |   |            |    |    |     |            |    |    |     |
| 10/90                    | 5/90                            | 70/90                   | 10/90                          | 5/0                    | 100/85                |   |   |   |   |   |   |   |       |   |   |   |   |   |   |   |   |   |   |   |            |    |    |     |            |    |    |     |
| 20. REMARKS              |                                 |                         |                                |                        |                       |   |   |   |   |   |   |   |       |   |   |   |   |   |   |   |   |   |   |   |            |    |    |     |            |    |    |     |

LIC 9121      WSC 3

Tests completed: 225

Tests documented: 227

Aircraft hours flown to date:

Documented aircraft hours remaining:

| Test         | Photo        |
|--------------|--------------|
| C-130 - 56.1 | T-28 - 23.4  |
| B-66 - 36.0  | T-33 - 61.0  |
|              | B-57 - 6.0   |
|              | F-104 - 1.5  |
|              | F-100 - 18.0 |
|              | H-21 - 19.0  |
|              | T-38 - 4.0   |

| Test         | Photo |
|--------------|-------|
| C-130 - 13.0 |       |

No tests.

On file USAF release instructions apply.

|                         |  |  |
|-------------------------|--|--|
| 21. DATE<br>31 May 1963 | 22. OFFICE SYMBOL AND TELEPHONE EXT<br>FTLGM/266 | 23. SIGNATURE OF PROJECT OFFICER<br>Charles O. Laine<br>CWO Charles O. Laine |
|-------------------------|--|--|

## PROJECT STATUS REPORT

## INSTRUCTIONS

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| 10 1/2 sheet will be used. Identify particular report and mark proper priority. |                                     |                             |  |
|---|-------------------------------------|-----------------------------|--|
| 1. PROGRAM STRUCTURE  | 2. PROJECT NR OR SYSTEM TEST OBJ NR | 3. TASK, ESP OR TEST NUMBER |  |
| 921A  | -                                   | 60B23                       |  |
| 4. AFFTC PROJECT DIRECTIVE NR   | 5. ARDC PRIORITY                    | 6. REPORTING PERIOD         |  |
| 60-215  | 75A                                 | May 1963                    |  |

**7. TITLE AND OBJECTIVE SUPPORT MISCELLANEOUS AIR FORCE TASKS**

To support minor, non-reimbursable Air Force tasks on a continuing basis.

**29. REMARKS**

LIC 9110 WSC 3

No tests.

|                         |   |   |
|-------------------------|---|---|
| 21. DATE<br>31 May 1963 | 22. OFFICE SYMBOL AND TELEPHONE EXT<br>FTLG/260 | 23. SIGNATURE OF PROJECT OFFICER<br>A. V. Stamm |
|-------------------------|---|---|

## PROJECT STATUS REPORT

## INSTRUCTIONS

**INSTRUCTIONS**

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|                               |  |  |                                     |  |  |                             |  |  |
|-------------------------------|--|--|-------------------------------------|--|--|-----------------------------|--|--|
| 1. PROGRAM STRUCTURE          |  |  | 2. PROJECT NR OR SYSTEM TEST OBJ NR |  |  | 3. TASK, ESP OR TEST NUMBER |  |  |
|                               |  |  |                                     |  |  |                             |  |  |
| 4. AFFTC PROJECT DIRECTIVE NR |  |  | 5. ARDC PRIORITY                    |  |  | 6. REPORTING PERIOD         |  |  |
| 63-83                         |  |  | 01                                  |  |  | May 1963                    |  |  |
| 7. TITLE AND OBJECTIVE        |  |  |                                     |  |  |                             |  |  |

### D. E. S. TESTS

(Purpose is classified)

LIC 9341

Tests completed: 1

Tests documented: 7

Aircraft hours flown to date:

Documented aircraft hours remaining:

### Test

## Photo

Test  
F-106B - 7:00

Photo  
F-106B - 2:00  
F-104D - 6:00  
F-38 - 10:00

This project is classified.

|                         |  |  |
|-------------------------|--|--|
| 21. DATE<br>31 May 1963 | 22. OFFICE SYMBOL AND TELEPHONE EXT<br>FTLGM/266 | 23. SIGNATURE OF PROJECT OFFICER<br>Charles O. Laine<br>CWO Charles O. Laine |
|-------------------------|--|--|

## Program Structure 921A, SUPPORT USAF IG TRAINING FILM, (Cont'd)

actuating mechanism was also provided. The second release was attached to the back of the ejection seat and actuated the seat recovery parachute ripcord. This release was actuated by the seat-man separator mechanism and was set for a 5-second delay. One drop was made at 110 KIAS at 14,000-ft. pressure altitude with the ejection seat and dummy in a head down position. This method of launch resulted in instability of the seat and was not used again. On all drops the dummy was equipped with a standard 50C7024-18 parachute equipped with an F-1B automatic ripcord release set for 6000-ft. pressure altitude. The seat-dummy separation mechanism and automatic releases operated successfully. The dummy was recovered without damage. The rings attached to the bottom of the seat for recovery parachute riser attachment broke on parachute opening and the seat free fell to impact and received minor damage. The seat was repaired and reused for dummy drops. The rings were replaced with U-bolts.

One drop was made at 110 KIAS at 10,000-ft. pressure altitude with the seat occupied by the articulated dummy followed by three jumpers. The live jumps were made to allow close observation of the seat-dummy action at launch and to acquaint the jumpers with the turbulent air currents caused by in-flight conditions. One drop was made at 110 KIAS at 10,000-ft. pressure altitude. The seat was occupied by an articulated dummy and two jumpers attempted to jump simultaneously with seat launch and follow the seat-dummy close enough to take motion pictures. This could not be accomplished due to the acceleration of seat-dummy following launch. One drop was made at 90 KIAS at 10,000-ft. pressure altitude with a man in the ejection seat. (On all drops the man was equipped with a standard 50C7024-18 parachute equipped with a F-1B automatic ripcord release set for 5000-ft. pressure altitude and 10 seconds and with a standard HGUP-2 helmet with an MBU-5 oxygen mask.) Four cameramen were located on the ramp of the aircraft to photograph the events. The man operated the manual seat-man separator mechanism approximately four seconds after launch. Good photo coverage was obtained. Four drops were made at 71, 73, 74 and 74 KIAS at 10,000-ft. pressure altitude with a man in the ejection seat and two jumpers jumping one second prior to seat launch to photograph the events. The man operated the manual seat-man separator mechanism approximately 5 to 6 seconds after launch. Good photo coverage was obtained of the free fall and seat-man separation. This concludes testing on this program. A report will be prepared.